



U.S. Department of Commerce
BUREAU OF THE CENSUS



Titanium Mill Products, Ingot, and Castings

AUGUST 1983

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The statistics in this publication are based on a survey of manufacture. A description of the survey methodology and related manufacturers and represent total U.S. shipments of titanium information appears in the January 1983 report for this series, mill products, ingot, and castings. Estimates are included for ITA-991(83)-1, issued May 1983.

companies whose reports were not received in time for

Table 1. NET SHIPMENTS OF TITANIUM MILL PRODUCTS

(Thousands of pounds)

Product	August 1983	July 1983	August 1982
Total ¹	2,428	2,287	2,342
Sheet and strip.....	(3)	(3)	(3)
Plate.....			
Forging and extrusion.....	1,141	992	1,089
Rod and bar.....	347	351	322
Fastener stock and wire.....			30
Extrusion.....			
Pipe and tubing.....	940	944	891
Other.....			

¹Data are revised from the annual summary, ITA-991(83)-1, issued September 1983.

²Net shipments is the sum of mill product shipments plus mill products consumed in the manufacture of fabricated products, less total receipts.

³Data for sheet and strip, plate, extrusion (other than tubing), pipe and tubing, and other have been combined to avoid disclosing individual company data.

Table 2. TITANIUM INGOT, MILL PRODUCTS, AND CASTINGS: 1982 TO 1983

(Thousands of pounds)

Month and year	Ingot				Mill products			Castings		
	Pro- duc- tion	Con- sump- tion	Ship- ments	Receipts	End- ing inven- tories	Pro- duc- tion	Receipts	Net ship- ments ^{1,2}	Pro- duc- tion	Ship- ments
1983										
August.....	4,583	4,815	795	923	5,907	2,846	432	2,428	71	32
July.....	4,148	3,608	867	1,141	5,994	2,577	314	2,287	48	29
June.....	5,048	5,168	945	924	5,093	3,132	355	2,642	84	45
May.....	3,769	3,665	1,002	968	5,221	3,021	422	2,691	81	47
April.....	3,657	3,446	918	746	5,141	2,567	198	2,479	94	42
March.....	4,310	4,354	1,151	1,181	5,017	2,887	191	2,876	100	55
February.....	3,698	3,560	977	839	5,020	2,418	224	2,633	104	61
January.....	3,544	3,698	621	892	4,938	2,651	168	2,665	83	34
1982										
Total ³	53,072	55,161	8,492	8,670	(X)	37,221	4,789	36,562	797	521
December.....	3,034	3,014	305	633	5,068	2,366	164	2,869	74	37
November.....	3,444	4,058	595	532	4,707	2,347	177	2,501	72	40
October.....	3,598	3,829	671	534	5,386	2,357	307	2,359	52	43
September.....	3,182	3,207	498	498	5,277	2,377	379	2,434	36	36
August.....	3,877	1,676	466	589	5,884	2,339	162	2,342	60	35
July.....	3,284	1,118	528	542	5,634	2,433	144	2,382	61	35
June.....	4,017	4,631	653	889	5,411	3,188	387	3,166	64	39
May.....	3,110	4,680	456	870	3,914	3,084	357	2,946	59	45
April.....	5,001	5,204	749	806	6,405	3,209	353	3,436	69	54
March.....	6,858	7,320	867	1,071	6,552	4,361	704	4,454	90	59
February.....	6,505	6,202	973	1,252	6,686	4,185	830	3,458	83	55
January.....	6,452	6,222	1,363	855	6,523	4,475	825	3,655	77	43

(X) Not applicable.

¹See table 1 for more detailed data.

²Net shipments is the sum of mill product shipments plus mill products consumed in the manufacture of fabricated products, less total receipts.

³Inventories for the year are those shown for December.

Table 3. NET SHIPMENTS, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF TITANIUM MILL PRODUCTS: 1982 TO 1983

(Quantity in thousands of pounds; value in thousands of dollars)

Month and year	Manufacturers' net shipments (quantity)	Exports of domestic merchandise ¹		Percent exports to manufacturers' net shipments (quantity)	Imports for consumption ⁴		Apparent consumption ⁶ (quantity)	Percent imports to apparent consumption (quantity)
		Quantity	Value at port		Estimated producers' value ³	Quantity	Value ⁵	
AUGUST 1983								
Total.....	3,223	349	3,898	3,794	11	181	1,632	3,055
Titanium ingot and forging and extrusion billet ⁷	1,936	293	2,803	2,728	15	9	62	1,652
Titanium mill products.....	1,287	56	1,095	1,066	4	172	1,570	1,403
JULY 1983								
Total.....	3,154	274	3,732	3,632	9	169	1,262	3,049
Titanium ingot and forging and extrusion billet ⁷	1,859	148	2,125	2,068	8	12	93	1,723
Titanium mill products.....	1,295	126	1,607	1,564	10	157	1,169	1,326
JUNE 1983								
Total.....	3,587	371	4,350	4,233	10	194	2,017	3,410
Titanium ingot and forging and extrusion billet ⁷	2,312	269	2,497	2,430	12	20	173	2,063
Titanium mill products.....	1,275	102	1,853	1,803	8	174	1,844	1,547
MAY 1983								
Total.....	3,693	379	3,742	3,641	10	241	2,062	3,555
Titanium ingot and forging and extrusion billet ⁷	2,185	241	1,815	1,766	11	24	185	1,968
Titanium mill products.....	1,508	138	1,927	1,873	9	217	1,877	1,587
APRIL 1983								
Total.....	3,397	327	4,650	4,525	10	102	950	3,172
Titanium ingot and forging and extrusion billet ⁷	2,286	230	3,362	3,272	10	9	95	2,065
Titanium mill products.....	1,111	97	1,288	1,253	9	93	855	1,107
MARCH 1983								
Total.....	4,027	385	5,312	5,169	10	169	1,581	3,811
Titanium ingot and forging and extrusion billet ⁷	2,623	229	3,024	2,943	9	7	88	2,401
Titanium mill products.....	1,404	156	2,288	2,226	11	162	1,493	1,410
FEBRUARY 1983								
Total	3,610	124	2,627	2,556	3	162	1,467	3,648
Titanium ingot and forging and extrusion billet ⁷	2,297	56	1,111	1,081	2	25	234	2,266
Titanium mill products.....	1,313	68	1,516	1,475	5	137	1,233	1,382
JANUARY 1983								
Total.....	3,324	282	3,728	3,628	8	106	1,107	3,148
Titanium ingot and forging and extrusion billet ⁷	1,964	212	2,497	2,430	11	6	85	1,758
Titanium mill products.....	1,360	70	1,231	1,198	5	100	1,022	1,390
1982								
Total.....	47,021	7,200	100,606	97,901	15	2,186	22,269	41,987
Titanium ingot and forging and extrusion billet ⁷	28,041	4,392	60,239	58,618	16	426	3,976	24,075
Titanium mill products.....	18,980	2,808	40,367	39,283	15	1,740	18,293	17,912

(2) Less than one-half of 1 percent.

¹For a comparison of Standard Industrial Classification (SIC) codes, Schedule 8 export numbers, and TSUSA import numbers, see table 4 in the January report ITA991(B3)-1, issued May 1983.²Source: Bureau of the Census report EN 546, U.S. Exports.³These values were derived by use of adjustment factors to exclude freight, insurance, and other charges incurred in moving goods to the port of export. This adjustment is made to convert the values to an approximation of the producers' value of exported goods. Current adjustment factors are based on data for 1971-72 which are published in *Origin of Exported Manufactured Products*, MBIA/STB, appendix 8. Comparable adjustment factors for earlier years are based on similar factors developed for 1971 and 1972. The current adjustment factor for this report is 0.9731.⁴Source: Bureau of the Census report TM 145-X, U.S. Imports for Consumption and General Imports.⁵The value includes c.i.f. (cost, insurance, and freight) at the first port of entry in the United States plus U.S. import duties and other charges to the import point.⁶Apparent consumption is derived by subtracting exports from the total of net shipments plus imports.⁷Comparability of output, export, and import classifications for ingot and billet assume that bloom, sheet bar, and slab are reported as ingot or billet in the output numbers. Figures for imports of ingot and billet also include powder, crystal, and similar forms which are excluded from the output and export numbers.

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